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LTYSON  
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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re U.S. Patent Application of

FUJIOKA *et al.*

Application Number: 09/836,339

Filed: April 18, 2001

For: LIQUID CRYSTAL DISPLAY DEVICE

Attorney Docket No. HITA.0048

Unit 2675

Examiner

Kumar, Srilakshmi K.

**RECEIVED**

MAR 21 2003

Honorable Assistant Commissioner  
for Patents  
Washington, D.C. 20231

Technology Center 2600

**RESPONSE AND AMENDMENT UNDER 37 C.F.R. §1.111**

Sir:

This is in response to the office action dated December 19, 2002, in the above identified application, to which the period for response will expire on March 19, 2003. Please amend the above identified application with the replacement paragraphs/sections/claims as follows:

**IN THE CLAIMS:**

Please substitute claims 1 and 5 with the following amended claims:

Sub B1  
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1. A liquid crystal display device having a liquid crystal display panel, a plurality of cascade-connected liquid crystal drive circuits for sequentially transferring a signal, and a plurality of signal lines formed over an edge portion of the liquid crystal display panel for transmitting a signal between any two of the drive circuits, wherein each of the liquid crystal drive circuits comprises:

an image input terminal connected with one of the signal lines to receive an image signal being input thereto;

a clock input terminal connected with another one of the signal lines to receive an external clock signal being input thereto;

a clock compensation circuit for generating an internal clock based on the external clock signal by compensating for a duty ratio deviation from the external clock signal, said internal clock signal swinging from a first voltage to a second voltage lower